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UCC will soon
have the first
virtual telescope
in the United
States



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Mosaic
A tribute art piece
is going up on
campus



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Security
UCC looks into
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Free

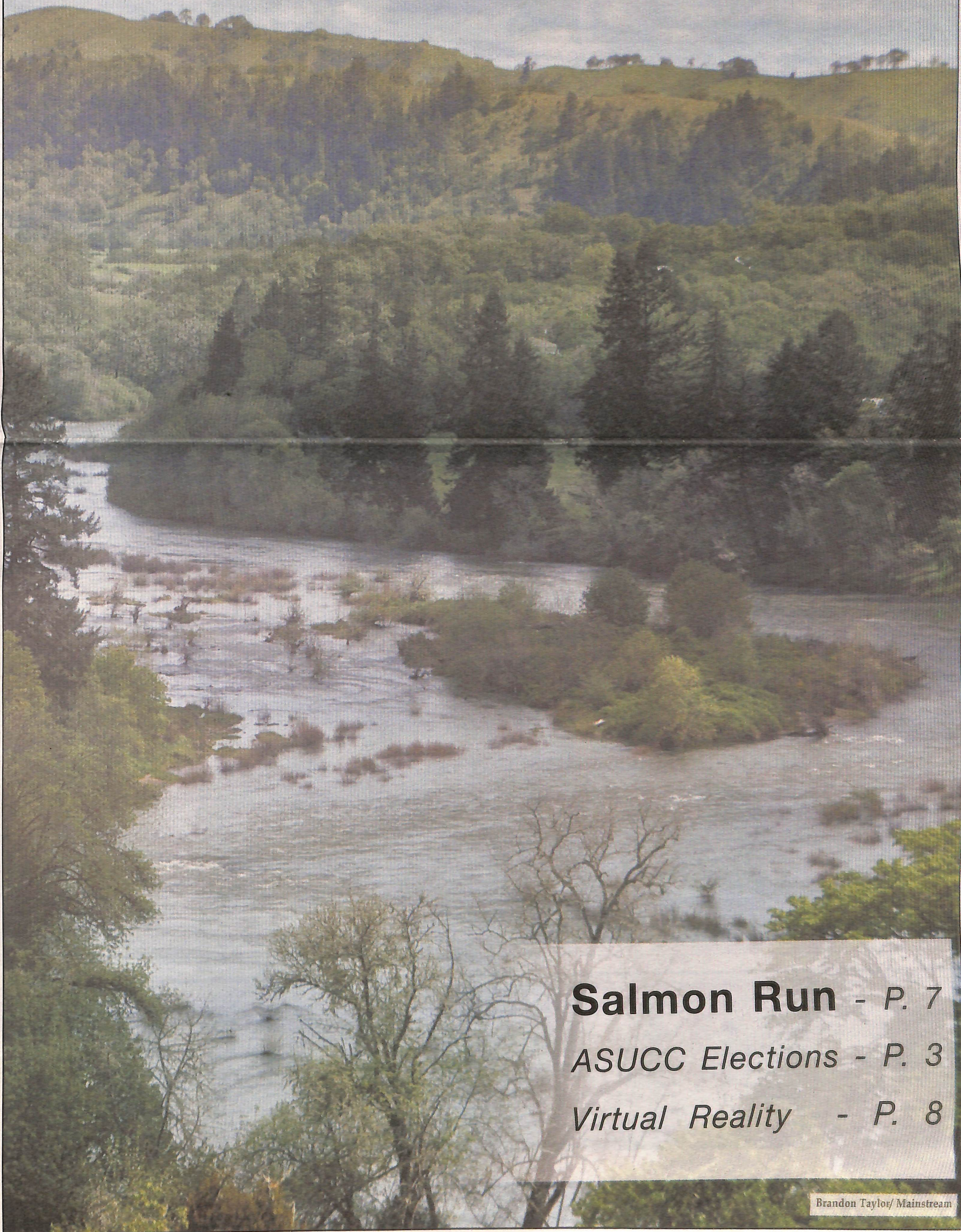
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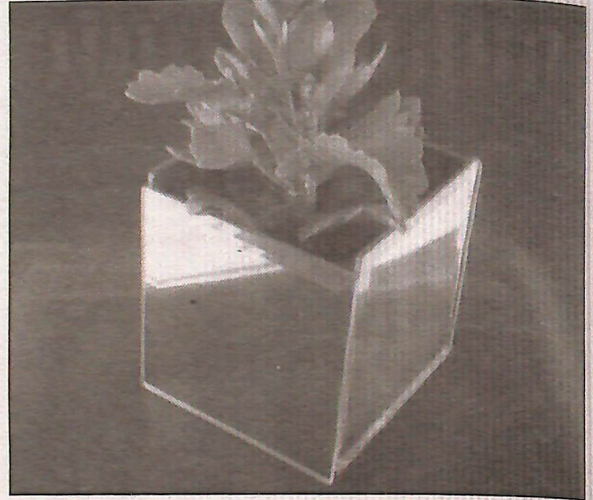
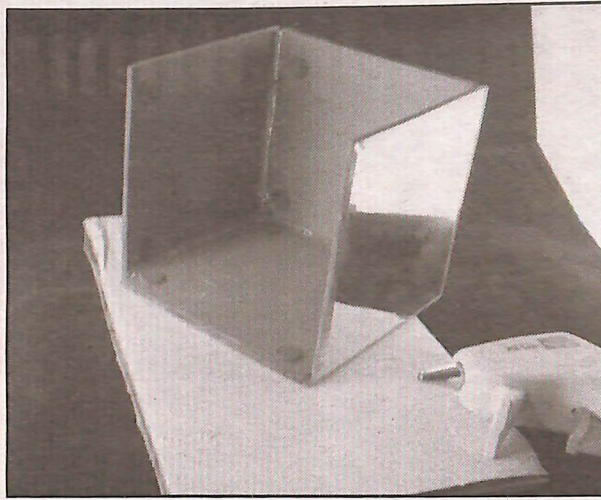
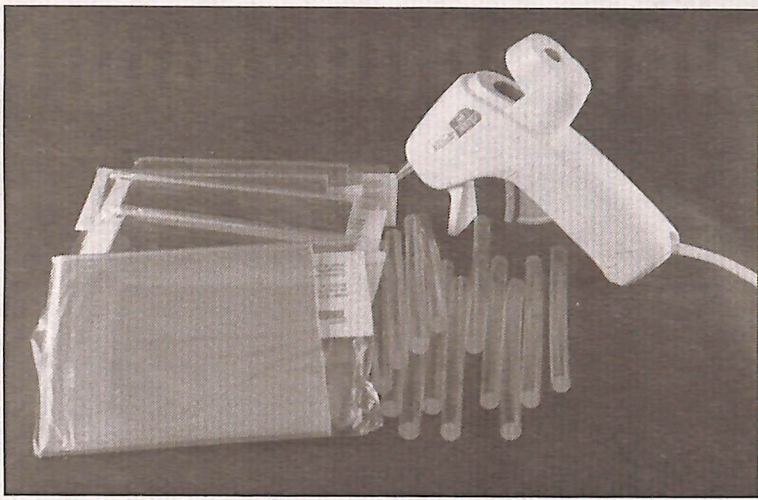
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Brandon Taylor/ Mainstream

Health



Farrah Kincheloe/ Mainstream

This eight step mirror box project takes about 30 minutes and \$10 to \$15 to complete for an elegant accessory in your home or office.

Craft project: how to make an easy mirrored box

Difficulty level: Easy to Moderate

Supplies:

- Five 4-Inch square mirrored glass plates
- Alcohol
- Paper towels
- Hot glue gun and glue sticks
- Exact-o blade

FARRAH KINCHELOE
The Mainstream

Mirrored finish furniture or décor accessories are expensive. This mirror box project is cheaper on the wallet, fun and useful. You can put your makeup brushes, pens, pencils and markers or even a plant inside and enjoy the stylish mirrored look.

Directions:

1. Plug in the hot glue gun to a wall socket to heat up the glue sticks.

2. Lay one of the plates, mirrored side down, on a flat surface. This will become the base plate.

3. Use the hot glue gun to put a line of glue along one outer edge of the base plate and put one glass plate mirror side out onto the line of glue at a 90 degree angle (be quick about it or the glue will be too cold for the plate to stick).

4. Attach the next mirror by putting a few dots of glue on the base plate and the left side of the previously attached glass plate. When

attaching each mirrored plate to the base plate, make sure that the mirrored surface is always facing out. (Again, you have to work fast or the glue will harden before the mirror plate sets).

5. Repeat step 4 until all of the mirrored plates are together in the shape of a square with the base plate at the bottom.

6. Once all of the mirrored glass plates have been attached to the base, go back and fill in the gaps with the hot glue so that the square is sturdier.

7. If some of the hot glue escaped between the gaps, go back with an exact-o blade and gently remove the cooled glue so that it is not noticeable on the mirrored side of the pot. (Do not remove the glue from the inside; it will weaken the joints.)

8. To clean finger prints off the mirrored surface, use a small amount of alcohol on a paper towel. Dry with a clean paper towel. •

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THE MAINSTREAM NEEDS:

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AND

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Contact:

melinda.benton@umpqua.edu

Editor Alicia Graves / uccmainstream@yahoo.com



The Mainstream
mainstreamonline.org

THE MAINSTREAM

MANAGING EDITOR:
Alicia Graves

DESIGN EDITOR:
Kayla Towers

WEB EDITOR:
Casey Conemac

WEBSITE SUPPORT:
Casey Conemac

SENIOR REPORTER:
Vaughn Kness
Brandon Taylor

REPORTERS:
Alicia Graves,
Brandon Taylor
Farrah Kincheloe
Trick Schneider
Haylie Ellison
Vladimir Sovyak

PHOTOGRAPHER:
Brandon Taylor

OFFICE ADMINISTRATOR:
Trick Schneider

VIDEOGRAPHER:
Brandon Taylor

DESIGNER:
Kayla Towers
Kimberly Phinney

ADVISER:
Melinda Benton

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The Mainstream is an award-winning member of the Oregon Newspaper Publishing Association. Guest articles are welcomed but see mission statement for additional submission information. All copy is due every other Tuesday.

MISSION STATEMENT

The Mainstream is a designated student forum written to promote the activities, events, and interests of UCC. Its primary focus is on hard news relating to campus events or personnel, especially as students are affected, but features, art work and poetry may be accepted. Any opinions or art presented in The Mainstream do not represent the viewpoint of this newspaper or UCC.

CONTACT

PO Box 976
Roseburg, OR 97470
(541) 440-4687
uccmainstream@yahoo.com
www.twitter.com/UCC_Mainstream
www.facebook.com/uccmainstream

Campus Life

UCC Observatory nears completion

BRANDON TAYLOR
The Mainstream

Paul Morgan, adjunct astronomy instructor, has dreamed about having a state of the art facility observatory at UCC for many years. With help from the community that dream is slowly becoming a reality. Four telescopes are expected to be operational near the Tower Building this June.

When Morgan was trying to raise money for the project, ASUCC was among the first to provide funding. ASUCC provided \$20,000, validating the seriousness of the project. Morgan was then able to raise \$35,000 more in grants. Numerous financial and in kind donations given by community members, businesses and organizations brought the full value of the project to over an estimated \$100,000.

"The community has been wonderful supporting this. That's the only reason we could do it. Because unfortunately astronomy stuff is very expensive," Morgan said.

Because ASUCC is the principal donor, they were given the right to name the building. In response to Morgan's work for UCC, the astronomy program and his efforts to make the observatory a reality, ASUCC honored Morgan by naming the observatory The Dr. Paul Morgan Observatory.

"I was very surprised to hear they named it after me," Morgan said. "I'm honored; it's a great privilege to have it."

Use of the observatory will not be limited to UCC students. Morgan plans scholastic and community outreach.

Through scholastic outreach, Morgan wants to get all schools in Douglas County engaged in astronomy with lesson plans and modules utilizing the observatory (Lincoln Middle School and Oakland High School will be the first).

Community outreach will consist of "Nights at the Observatory" with a public viewing area and community broadcasts where images will be live-streamed to a website. The website will make the observatory essentially

accessible to anyone in the world, categorizing the observatory as a virtual telescope. The observatory will be the first virtual telescope in the United States.

"There are certain limitations when you have to drag the telescopes out and set them up. The observatory will have all computerized telescopes. Everything will be digital with cameras so our capabilities will be exponentially better than where we were. So my hope was build the observatory then we can really do fun astronomy here. We were limited before and now as they say, sky's the limit," Morgan said.

According to Morgan, the location near the Tower Building, behind the Tech Center, is imperfect because it is not a dark site (as he explained it, if you go outside at night and you can't see your feet, you're in a dark site). The site is not preferable for deep imaging, but it has certain advantages that make the location viable for the observatory. Among these advantages are the security that the college provides, the easy Internet access and easy student access.

Once the building is completed, the four telescopes and their computers, cameras and televisions will be installed. Aligning the mounts

for the two main telescopes will take three to five nights. The mounts cost around \$10,000 and were purchased from Astro-Physics, a company in Illinois that develops telescopes and accessories.

"The heart of the system is the mount because it moves the telescope around, and if it doesn't do it right, who cares about the rest," Morgan said.

If the telescopes and mounts are well maintained, they will last 50 to 60 years; the electronics for the mount will change over time, however, but are easy to upgrade. •



Brandon Taylor/ Mainstream

The Paul Morgan Observatory will feature a roll-off rooftop. It will be the very first U.S. virtual telescope.

ASUCC student government elections coming soon!

JOSHUA FRIEDLEIN
ASUCC Vice President
Guest Writer

The ASUCC Executive Council has been preparing for a busy spring term.

Elections for the student government executive officer Positions will be taking place this term. The ASUCC Leadership Board is looking for students who are interested in serving as an ASUCC executive officer for the upcoming school year. If you are interested, position applications may be obtained now in the ASUCC offices in Riverhawk Central — in the Campus Center, directly to the right of the Cafeteria. Application deadline is April 22. Official elections will be taking place May 9, 10 and 11.

ASUCC executive officers must be willing to make the time commitment to adequately perform the essential duties of their elected position. The candidate must attend two meetings per week, sit on at least two college committees and/or task forces per week and hold 10 office hours per week. Officers must also maintain a minimum cumulative G.P.A. of 2.5 per term and must be enrolled in a minimum of nine credits per term.

Positions available for election are president, vice president, activities officer, business manager and the public relations officer. •



Vaughn Kness/ Mainstream

Anthony Terra and Ali Lape staff the booth for ASUCC at the UCC club fair. They are looking for students who are interested in serving as ASUCC executive officers for the upcoming school year. For interested students, applications are available now in the ASUCC offices in Riverhawk Central. The application deadline is April 22.

I am UCC

A voice found: the amazing story of Paula Usrey

TRICK SCHNEIDER
The Mainstream

Communications associate professor Paula Usrey is someone who struggled for many years without a voice. She explains her life as we would never know her, telling of the journey from a frightened, deviant person to an associate professor of Speech and Communications.

"I grew up scared speechless because of circumstances in my life and my environment. I often was afraid to wake up in the morning and face whatever might come."

Usrey, an advocate for others voices, feels some students may feel less respected than others in classroom settings. Of course this could mean they believe other students do not respect them or they don't feel heard when they are speaking, etc. Instead of living in fear like her, she wants to help others find their voices.

"Eventually I became fearful of speaking up and didn't talk much at all. Because of this, others told me who I was and what I thought." Those days are gone. Now she has a voice to tell us her story.

Although Usrey identifies herself as an introvert, she sees herself as an advocate for human rights issues, education and for communication. Sometimes she dresses as Susan B. Anthony for her speech classes each term. She also represents Ms. Anthony in the community for a local chapter of the American Association of University Women, the American Association of Women in Community College at a Portland conference, and for the faculty lecture series.

Most people would never know that Usrey was someone who formerly lived life in fear of talking. She has so much to say and is eager to tell her story.

Her journey from being frightened to speak to becoming a professor of communications begins with an op-ed she submitted when she was 17 to the Gresham Outlook

newspaper.

Usrey at the time worked in a nursing home as a nurse's aide. She felt what she saw taking place in the home was really wrong, almost unbelievable. Wanting to advocate for others, she took to a pen and paper and began to speak, speak as Usrey, not the person who had no voice and was told what to think.

That article was a steppingstone in her journey. Although she was beginning to find her own voice,

"I am an introvert...that doesn't mean I'm shy" -Paula Usrey

she was still deathly afraid to speak. After writing her article about the unspeakable things taking place in nursing homes, a reporter from the Oregonian suggested she testify in Salem regarding the nursing home issues. When it came time for her chance to speak on the subject, she froze. Usrey wanted to advocate for change but couldn't because of her crippling inability to speak.

For a large portion of her life, Usrey struggled day to day with simple tasks many of us perform with ease. At this point – even though she was finding her own voice – she would freak out when having to call a doctor to schedule an appointment for her children. She would literally have to plan out what she was going to say and practice saying it before actually talking to others.

She knew that she had to face her fear of speaking and communicating to be able to advocate for her own children. That's when she tried public speaking to confront her fear.

A friend suggested she go to a Toastmasters meeting as a way

of breaking out of her shell and confronting her issues with speaking. Early on, her friend went with her for security, not to protect Usrey from others, but to hold her hand and comfort her. Usrey recalled one of her early speeches in front of the crowd was something about "Give Me Liberty or Give Me Death."

At this time in her life, Usrey began her pursuit of higher education even though she had sworn she would never go back to school because she hated teachers. She enrolled in classes at Mount Hood Community College, eventually transferring to Portland State University where she received a bachelor's degree in English.

After working for a spell in the insurance industry, she continued her education in graduate school where she studied organizational communication. By now, Usrey was able to speak, and because of that, she was offered a teaching assistantship.

Later, Usrey continued on toward a doctorate degree in educational leadership. Her assistantships paid for all of her higher education; however, she failed to finish her dissertation for her doctorate due to going through a divorce. In hindsight, "that was best to put the divorce over finishing the dissertation," Usrey says.

Other than teaching, Usrey has worked in several different industries. She was employed as a communication researcher for the federal government. Other occupations range from being a foundation director, a regional educational director and a grant writer. She also was employed as a senior marketing consultant. But, her true passion is teaching communication and working with students.

In 2004, Usrey began teaching full-time at UCC after doing some part-time teaching and holding down other jobs at the same time. "I can't think of anything more rewarding than work with students and helping to support their growth as communicators and as advocates

for things that are important to them." Usrey says.

Currently, besides teaching, Usrey is on the Got Respect committee. The Got Respect committee hosts focus groups to aid research about respect and inclusion at Umpqua Community College. The goal is to research students who have felt disrespected or marginalized because of who they are or who have found others treat them in special ways because of their individual status. On UCC's website it states, "The goal is to help UCC become a community where everyone has a place." This is something Usrey is very passionate about and wants to continue her research into why some people may be more or less respected in the classroom. To do so, she is planning a sabbatical fall term to put more research into the topic.

While on sabbatical, Usrey would like to gain more insight as to why some students feel less respected

than others in classroom settings. "Based on the literature I have been examining, nonverbal aspects of communication could be a factor," Usrey explains. "I want to explore this by coding some nonverbal behaviors associated with influence/power and lack of power/influence and then making some classroom observations, followed by a couple of focus groups if possible. I want to use my findings to help students in my classes." Usrey believes there are mitigating factors that could apply, but to know for sure, she will be spending the fall doing more research.

Any rumors aside, Usrey will be returning for winter term to continue teaching. Usrey wants to spend more time with some of her other passions. "I also enjoy life-coaching and may start developing that area more" she states. She also wants to want to continue to teach and learn more about her field. •



Provided by Paula Usrey

Paula recharges and reflects; Introverts often need time out to "rest and digest." Research shows when introverts crawl into their shell it helps them feel calm and focused.

Presidential candidates answer questions

THE MAINSTREAM

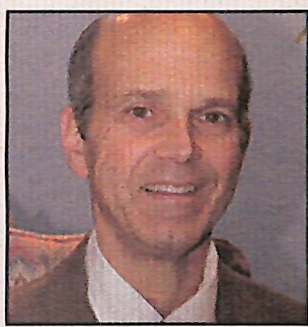
Editors Note: Due to response lengths, up to the first two paragraphs of each answer are provided. Content was unedited. For the full transcripts, visit mainstreamonline.org.

The two presidential finalists met with the campus in forums April 13 and 14.

Stephen Nacco, Ph.D., is the current vice president of Administrative Services and executive assistant to the president at Union County College in New Jersey. Nacco was previously executive director of college relations at Brookdale Community College in Lincroft, New Jersey for nine years, according to the college website.

Debra Thatcher, Ph.D., is a current research fellow at SUNY Cobleskill in New York. Prior to taking a leave of absence to further her research, Thatcher was acting president of SUNY Cobleskill for two years and provost/vice president Academic Affairs/Chief Operating Officer at SUNY for two additional years. She also served as vice president for academic affairs at Lees-McRae College in Banner Elk, North Carolina for four years, according to the college website.

After their campus tour and open forums, the presidential candidates answered a few questions for The Mainstream.



Nacco

M: How do you plan on helping the campus move forward after Oct. 1?

Nacco: "I think when we have a safety and security plan in place that is promulgated as it promulgated as people understand, that this is a safe and secure learning environment, that students will really be able to focus on what students should focus which is graduation, success, doing well, getting a job and things like that."

M: What made you want to come here?

Nacco: "This is a great community college. My interest originally was to write a letter to this community college to say that I was a UCC too. I was at a UCC and you did great, I would be honored, even to be interviewed to be president here to get to talk and meet students, faculty and staff of this community college."

So then coming here, the first thing I had was a phone interview. I did the phone interview, the phone

was a little weird because it was supposed to be Skype. But our IT department, our Information Technology department didn't get the Skype working. So, they didn't have to see me, even my boss the president says it was to my advantage they didn't see me. So they only heard me. But then I got to talk to people at UCC, the UCC in the Pacific Northwest. And that was also was a chance for me to exchange ideas the way I'm doing with you and to say you're doing great, we're proud of you. You're America's community college. Forever you will be. Your Oct. 1st put you in a place that none of the other 16 will ever be or any where else. You're America's community college. So...but then I get called in for an interview and actually get to meet you."

M: What are your plans to help campus continue through the healing process?

Thatcher: "Well, first of all, I'm really impressed by the process already here. When I found on the website all the things being done from the country, I thought it a really comprehensive plan. I'd make sure the processes are in place as long as they need to. I met a great guy today who is, he had a shop set up in the dining hall maybe, the counselor. . . . I need to educate myself some about the recovery process. I know there's a book everyone shared, talk with

people today enough to understand that as much as these things have been happening, it affects some people on a more personal level than others, not that others are not caring or sympathetic or empathetic. It's that we all process things different. So everyone is going to be scared forever, but some people will recover more quickly. So what I would say is, one, I need to educate myself more about process and the successes of other colleges and, two, to make sure it's been done because there are some people doing some incredible work right now."



Thatcher

M: How do you feel about increasing security on campus?

Thatcher: "First of all, I don't know what the security is, so we'd have to talk about that. Again, I wasn't here, so I would say this didn't happen because of security concerns. Where shootings happen on college campuses it isn't because of a lack of security. Look at not just on college campuses

but wherever these horrendous things happen, and especially if you have any issues with mental illness, it's hard to prevent that. On the other hand, it is prudent to take precautions. Do you have, what kind of security do you have on doors and buildings? What kind of security do you have on doors for classrooms? How much does it take to make this campus feel safe, feel healed from that? And that's the thing on making a decision on what to do. I don't come in and say, 'Well, I don't think it matters. Anyone who wants to do it will come and do it.' But I'm also not saying we have to cover up every glass window, and I'm not going to make that decision. What we'll do is bring people together and discuss different viewpoints and have discussions about that and come to a shared understanding and move forward."

M: What drew you to UCC knowing everything that's gone on?

Thatcher: "Believe me, every campus has issues. Coming here, I do research on any place, and if it's somewhere I'd like to go. One is the location, is it heaven on earth. As my husband and I said yesterday, this is like being in a national park; it's so absolutely beautiful. It is absolutely gorgeous, unless you like the plains. It's different. I love the location; my husband and I said we'd always love being part of this location. But more it was looking at the college, the mission of the college, what things are happening here." •

Growing a container garden for Mason jar salads

KIMBERLY PHINNEY
The Mainstream

The arrival of spring brings with it the perfect weather for planting. Regardless of where you live – in a house or an apartment – your options aren't limited to just flowers. Even the most space challenged can grow a salad garden. All you need is a large container, or several smaller containers, potting soil for the containers and the plants.

Plants can be started from seed, but that process requires daily attention and danger of mold. I'm a plant-it-now, instant gratification person, so I buy ready-to-plant at any local nursery or retail store. The advantage of buying from a local nursery is the employees are generally knowledgeable about what plants thrive best in the local climate.

Start with the soil. You want a potting soil formulated specifically for containers. Look for a brand that has moisture control properties so that water will not accumulate towards the bottom of the soil. That could lead to rot. Gravel at the bottom of the pot improves drainage, but good container potting soil has aeration that leads to better plants.

As a beginning gardener, and admittedly one with a black thumb, I have had success growing lettuce, cherry tomatoes and lemon cucumbers in the same container.

One advantage of a container salad garden is the potential to grow and produce throughout summer. Initially, I thought lettuce was a one-time harvest, but I later learned that you pull the leaves off the plant as you need them leaving the head to continue growing. This also keeps the

lettuce from quickly going to seed.

Toward the end of summer when the lettuce is done for the season, tomato and cucumber plants will still produce if fertilized on a regular basis. According to Paul Orson, owner of The Plant Warehouse in Roseburg, Oregon, plants should be fertilized approximately every two weeks if a slow release fertilizer is used. However, if a balanced water soluble fertilizer is used, plants should be fertilized at least once a week.

Orson also recommends using plants that are going to mature at approximately the same time. He suggests starting with small-fruited plants that ripen quicker (like a cherry tomato and lemon cucumber) and romaine lettuce because it is slower to mature. All three plants can be planted in one container. The tomato and lettuce will grow up, while the cucumber will drape down over the edge of the container.

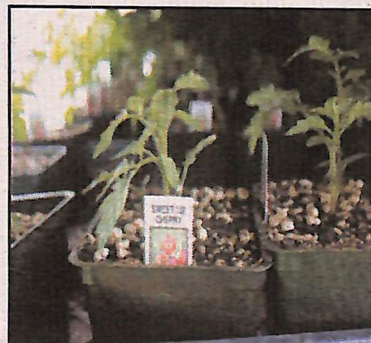
Lettuce can be planted now, but Orson recommends waiting another two weeks for the weather to warm up before planting tomatoes and cucumbers.

Other advantages of growing a salad garden are monetary savings and knowing where your food comes from. Organic and natural foods can be cost prohibitive, and growing your own food, even for a short period of time, can help save money. Unwanted pesticides and genetically modified foods are also avoided.

A container salad garden doesn't require the volume of water, large space or time commitment that a conventional garden does. It does, however, require direct sun and sufficient drain holes so the water

doesn't pool in the bottom resulting in overwatered plants. Unfortunately, my container last year didn't have drain holes resulting in drowned tomato plants and their untimely death. Lesson learned.

If your gardening skills are advanced, or you feel ambitious but lack garden space, a plot in a community garden might fit your lifestyle. Roseburg has two community gardens available: the Westside Community Garden and the Eastwood Community Garden. Both community gardens have Facebook pages that contain contact information.



Romaine lettuce and Sweet Cherry Tomato plants ready to be planted in a container for future use in a Mason Jar salad.

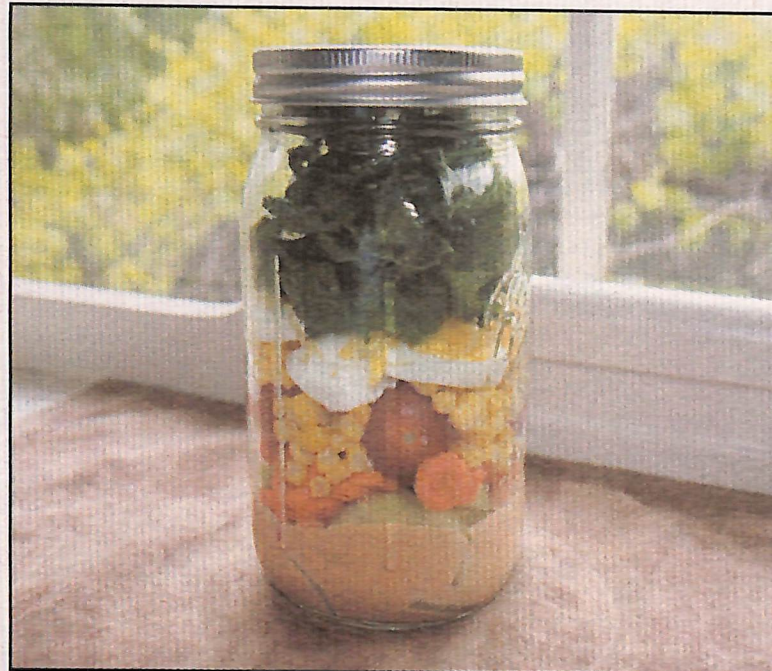
Mason jar salad
Mason jar salads are a great way to enjoy your garden bounty.

Mason jars are not just for canning. They make great every day portable food and beverage containers. They are BPA free, microwaveable, dishwasher safe and inexpensive. Foods don't stain or discolor them, and replacement lids are not only readily available but are uniform in size.

The key to a good Mason jar salad is layering. Start with salad dressing at the bottom. The next layer is hard vegetables like carrots, celery, bell peppers, cucumbers, broccoli

and cauliflower. Soft vegetables like tomatoes, corn, onions and avocado are added on top of the hard vegetable layer. Proteins like meat, cheese, beans or hard-boiled eggs are added next, and a layer of greens such as lettuce, spinach or arugula top off the jar.

Depending on your gardening skill level, space or ambition, most, if not all, of your salad greens and vegetables can be grown at home. And, if you're really ambitious, you could make your own cheese using a wine refrigerator and raise a couple of backyard chickens for their eggs, but that's another column! •



All photos by Kimberly Phinney/ Mainstream

Mosaic provides healing through art



Haylie Ellison/ Mainstream

Left: The dragonflies in the mosaic represent the nine victims of the October 1st shooting. Right: Susan Rochester, chair of the Fine Art Department, chose to make the mosaic as a way to heal from the tragedy.

HAYLIE ELLISON
The Mainstream

Since her first year of teaching at UCC, Susan Rochester, chair of the Fine Art department, wanted to do something to cover the plain 50-by-5 foot wall behind the Fine Arts building. She had pondered various options, but when her student Kindra Neely wanted to do a more permanent art project before she graduates, the two decided on covering the walls with beautiful glass tiles in many different shapes and patterns. Originally, the idea was to create abstract circles and swirls in tile, but the horror of Oct. 1 led them to something more memorable, a mosaic.

One of the primary reasons they chose dragonflies is because assistant

professor Larry Levine, who died during the shooting, mentioned on the morning of Oct. 1 that he had recently seen a red dragonfly for the first time. He knew they existed, but had never seen one before, Neely explained. "I think tragedy has a way of bringing out the most ugly and [the most] beautiful things in people," Neely said. "Having this happen to a place I love and have experienced so much growth in forced me to appreciate it. It's a lot about the details in life. I don't want to miss them."

While facing the restriction of reduced funds, Rochester and Neely spend about 15 to 20 hours a week on this project, and will eventually use approximately 750,000 tiles. The cost to purchase nearly a million tiles was a daunting obstacle; however, ASUCC provided approximately two-thirds of

the funding while donations through the art gallery covered the rest. The Mosaic Art Supply company also gave a one-third discount off all of their materials.

Rochester and Neely decided on glass tiles instead of ceramic for the primary reason that ceramic is unpredictable with weather changes. It is more porous and absorbs water, causing cracking while glass tiles will last a lifetime. They both spent many hours trying to draw out their plans for where the dragonflies will be placed as well as more intricate details such as picking out the symbolic colors of various shades of green and blue representing river water.

They both wanted to not only create lifelong memories but also to tribute those who tragically lost their lives on Oct. 1. Although both

repeatedly emphasized that this is not an official memorial, they still plan to dedicate the wall to UCC victims and their families. Rochester and Neely say the art project has been helping them heal and process what they've been through. Eventually the names of the UCC nine will be connected to the specific dragonflies.

This daedal work is symbolic. Rochester explained that dragonflies in Native American culture represent transformation; they can also represent souls leaving the body. The mosaic will display nine blue dragonflies as well as one fire-colored, red dragonfly that the artists explain will effectively bring out the colors of the others.

Neely has spent over 15 hours on Larry's red dragonfly alone and over 100 hours on the project. Neely and Rochester expect the project will

collectively take about 300 hours if not more to finish. The final design will show water swirls encompassing the dragonflies, bringing life to the symbolism behind the ethereal creatures.

Art can be healing, providing one with the ability to better communicate their feelings. Kneely describes her art following Oct. 1 as "Venomous and full of anxiety, selfishness, confusion, guilt, and the feeling of insanity. It's dark, it's ugly, and it's secret. My work at home reflects it, and the art tends to be abstract, bold, and messy. The beautiful side is very tedious and representational. I tend to get very physically into it, because I find it difficult to communicate. The mosaic is a good representation of it." •

UCC Geology Club funds new stream table

VAUGHN KNESS
The Mainstream

The UCC geology club was recently granted \$1,000 from the Bureau of Land Management and other agencies to help fund a stream table and research into fish habitats. The club plans to use the grant to visit elementary and middle schools to teach younger students about stream environments and their geology.

The club was started during fall term of 2014 when several students felt the desire to learn about and study geology beyond the classroom. One of these students was Cora Seibert who now serves as the geology club's president.

"My only experience with nature was here in Oregon," Seibert said. "I'd never really gone camping until I moved to Oregon when I was 20. [And] I've learned from Karen's classes about geology and been so inspired. To have an environment where others can learn is really cool."

Karen Carroll is the geology professor and the club's faculty adviser. "The purpose [of the club] was to expose students, anybody, not even science majors, to geology in the Pacific Northwest and beyond so we can understand geology better," Carroll said.

That message expands into the club's purpose for the grant. Using the stream table and fish habitat information, the club hopes to inform elementary or middle school students about geology and in the process create enthusiasm for the subject.

"The UCC students get to share their knowledge of geology and also work with children and teach them," Carroll said.

The club plans to first present the stream table at UCC's child care center.

The table emulates a real world stream environment by showing how a stream changes over time under effects of erosion. Stream tables are an important aspect of any geology lab, and when the chance to purchase one through a grant arose, the club began to write their proposal.

"We heard about the grant [opportunity], and three club members sat down, wrote the proposal and submitted it," Carroll said. "The grant was approved through multiple agencies, one of them being the BLM (Bureau of Land Management). We were granted money to buy parts and pay for transportation."

Besides their community outreach plans, the geology club also serves as a convenient environment for students to study and express their love of nature and the Earth. The club

sets up study groups either on campus or at local businesses such as Abby's where members prepare for upcoming Geology class exams.

The club has also begun a crystal growing experiment where club members test how various chemicals interact with crystals. A field trip to the coast is being planned that will be free to all geology club members. Last term, the club hosted a potluck and movie night, and this term they plan to do the same.

"We watched 'Dante's Peak' [last term], which is a volcano movie," Carroll said. "We don't know about this term, but we're thinking of 'Supervolcano,' which actually has a lot of science and is very realistic of what may happen at Yellowstone." The event will be open to anyone who wishes to attend.

The club typically meets on the first and third Tuesdays of the month at 3:15 p.m. in Science 16. A Facebook page can be found for the club at Facebook.com/groups/uccgeologyclub. Any geology student is welcome to attend, as well as any student who appreciates the world's environments.

"You don't have to be a geology student," Seibert said; "just be a fan of the outdoors." •



Brandon Taylor/ Mainstream

The UCC Geology Club does a number of activities and experiments, including simulating a stream's processes and its effects on the environment.

Security questions still a concern

ALICIA GRAVES
The Mainstream

Questions are being asked about what has changed in the six months since Oct. 1 to make students, faculty and staff feel more secure and safe.

In an editorial printed in The News Review April 14, Roseburg psychiatrist Scott Mendelson asked, "Six months later, what has changed to lessen the likelihood of another senseless mass-murder by an angry, gun-toting young man?" His answer — "nothing. Nor do I see that anything will be done soon to improve our chances of remaining safe. We continue to sink into the morass while sighing, crossing our fingers and spouting platitudes."

Robert Hill, a first year UCC student, worries: "Students take a mandatory financial literacy seminar, but we don't know what to do when something like this happens. That scares me."

The president's office has been receiving similar concerns. College staff recently received an email from interim president Walter Nolte: "In recent weeks, I have received a number of questions, comments and requests regarding the desire for more information on campus security."

Main areas of concern include door lock needs, security officer staffing, emergency procedure protocol and emergency response training, many of which are being addressed.

In January, staff and administration began working on developing a state legislative request for funding in order to upgrade on-campus security; however, Gov. Brown did not sign this bill until late March. In addition to \$4.25 million for the Snyder Hall rebuild, the bill provided the college \$1.8 million for other security updates. These include \$474,000 in parking lot lighting, \$39,480 for speakerphones with broadcast capabilities, \$465,600 for network fiber system upgrades as well as other security measures and the lock systems.

Due to this delay, several planned



Trick Schneider/ Mainstream

Visible increases in security now include two security patrol cars given by Oregon State Police in addition to a security cart bought by the college in recent months.

security upgrades were put on hold while the decision was made to seek outside funding for classroom door locks rather than wait for the legislature.

The Juan Young Trust during fall term approached Susan Taylor, who was UCC's grant writer then, to see how they could help the college with security. Taylor, currently UCC's foundation director, said, "They are a longtime supporter of UCC scholarships." The Juan Young Trust provided \$16,000 to pay for 119 dual system locks.

A dual system lock, according to Facilities Director Jess Miller, "has a push-button on the inside and becomes unlocked each time someone twists the handle from the inside or turns it with a key from the outside.

The dual feature consists of the push-button working as normal, but if you twist the lock also, the door will remain locked even if someone opens it from the inside to exit." Installation of these locks was completed by April 4, according to an email sent to staff by Walter Nolte, UCC interim president.

Electronic locks have also been ordered. "The electronic locks, which are more expensive and intended for exteriors, were included in the legislative request," said Taylor in an email interview. The approved request included \$135,608 for 46 of these locks which can be controlled by the security office and will replace some existing electronic locks. These will be key scan entry.

The installation of the electronic

locks and their software will not take place until late April or early May, Miller said in an email interview. Nolte's email to staff indicated completion deadline is mid-May.

An additional \$22,847 in funding for upgrades to existing locks was also requested and granted, according to Taylor. Almost all of these upgrades have been made except for some bolt locks.

Continued efforts have been made to increase security officer presence on campus. Before Oct. 1, UCC had two full-time and two part-time unarmed security guards. "UCC now has two armed deputies. One is full time and one is part time and three full-time security staff and three part-time security staff," Harvey Day, UCC security guard, said.

"UCC now has two security cars given by Oregon State Police and one new security cart purchased by the college," Day added.

Taylor has just finished a six month federal request process for U.S. Department of Education Project School Emergency Response to Violence funds. The Project S.E.R.V. funds, if approved, will pay for a student support adviser, mental health therapist and a recovery specialist meant for students who were affected by Oct. 1, said Taylor. This specialist is to help students further their education, Taylor said. Project S.E.R.V. will also reimburse the college for the modular installation and rental as well as the cost of the continuing campus presence of Douglas County law enforcement.

A Threat Assessment Team has begun to meet. This team includes staff from Human Resources, Student Services and Brian Sanders, the undersheriff of Douglas County, as well as campus mental health personnel, according to Nolte's email.

Interim President Nolte has indicated that Miller would "implement the e-learning component of the ALiCe training on April 19; working with instruction to identify dates for the demonstration component." This Alert, Lockdown, Inform, Counter, Evacuate training has been implemented in over 2,800 K-12 schools including South Umpqua School District and 600 institutions of higher education, according to the ALiCe website.

Vice President of Instruction Roxanne Kelly recently emailed students requesting feedback in a satisfaction priorities survey. Included in the survey are four questions involving students' options on campus security with a box at the end for additional comments or concerns. Students are encouraged to complete the survey as soon as possible. •

Events & Entertainment

Spring chinook run now Umpqua bound

VLADIMIR SOVYAK
The Mainstream

Spring chinook salmon have started their run through the Umpqua River. This can be an anxious time of year for anglers, environmentalists and biologists. According to the Oregon Department of Fish and Wildlife, last year's fish count showed a significant decrease in the number of spring chinook migrating through the Winchester fish ladder, reminiscent of low numbers from 2005 to 2008.

• However, river conditions may be conducive to a potentially strong spring chinook run. Although numbers of chinook were significantly stronger from 2009 through 2014 than last year's count, local fishing guide Gary Lewis of Gary's Guide Service estimates that this year's spring chinook run would be "average to above average." The level of the Umpqua River is much higher due to significantly more rainfall this past winter as compared to the previous two winters. Lewis noted that the increased rainfall is likely to positively impact the numbers in the Umpqua River this spring. Ample rainfall and late high water make more of a given river system probable and possible for salmon to access.

Local fishing guide Gary Lewis of Gary's Guide Service estimates that this year's spring chinook run would be "average to above average."

The strong correlation between adequate rainfall and snowpack also plays a key factor in a potentially good spring chinook salmon run by keeping watersheds flowing with



Vladimir Sovyak/ Mainstream

Chinook season re-opened March 1 in areas from Cape Falcon to Humbug Mountain with a bag limit of two salmon per day. Chinook season opens May 1 and runs through Sept. 7 for Humbug Mountain to the Oregon-California border with the same bag limit. All retained coho salmon must have a healed adipose fin clip.

cold water from snowmelt. Lewis explained that a water temperature of 52 to 54 degrees Fahrenheit is the reliable temperature range in which chinook bite.

Runs can carry on into the summer in some regions. Lewis detailed that cooler water later in the year is why areas such as Rock Creek often have a much longer season for spring chinook than many coastal regions.

ODFW shared a couple of interesting statistics about spring chinook passing through the Winchester Dam: since 1972, if a spring chinook count at the Winchester Dam is below 10,000, then the next two years (or more) will also have spring runs below 10,000. Also, when the annual fish count has increased to more than 10,000, the runs have stayed above 10,000 for at least three consecutive years.

Last year, 9,597 chinook salmon were counted. The ODFW website disclaimer and the signage at the Winchester Dam explain: "Due to budget and staffing cuts, the last 100 percent count was April 30, 2015." ODFW states that after April 30, 2015, their monitoring of fish at Winchester Dam is "at least 90 percent" accurate. With that level of accuracy in mind, the number may just tilt above the oddly indicative 10,000 mark.

Hopefully this year, the salmon will break a statistical cycle of over 40 years.

Sardines, herring, salmon roe and shrimp comprise the best array of baits. Spinners, spoons and plugs are common lure types to attract chinook. Fishing in the spring requires heavier tackle than fall fishing due to the stronger river currents.

Although steelhead and coho salmon can often be caught with

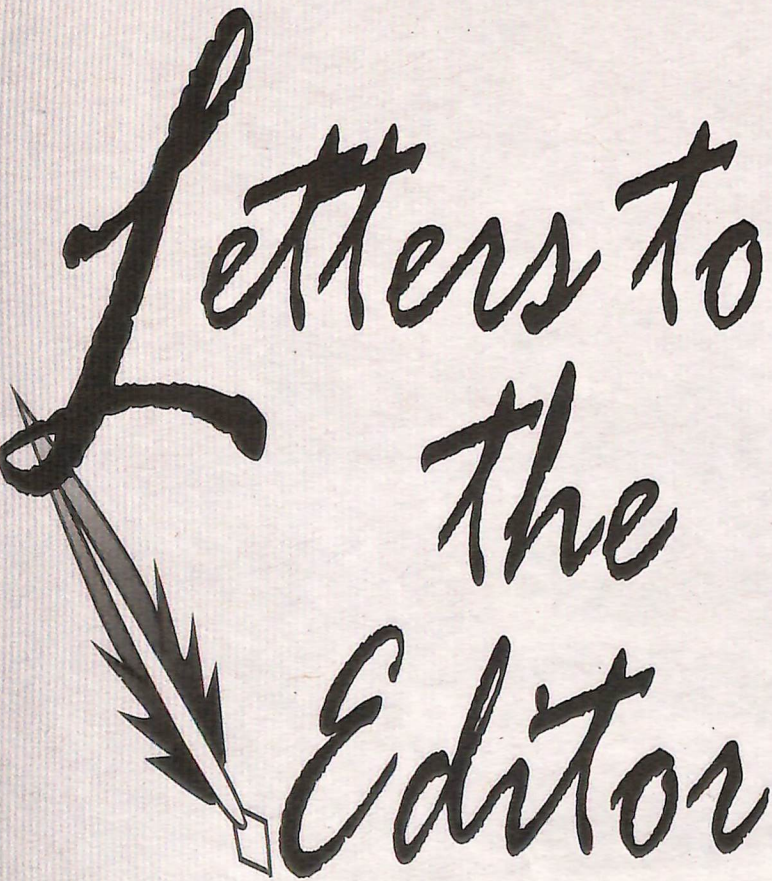
consistency close to the surface, this is not an advisable technique when fishing for chinook salmon. Whether fishing from a boat or shore fishing, successful anglers use enough weight to get to the bottom of the main channel of the river.

For Oregon residents, an annual angling license costs \$38. To fish for salmon, a combined tag is a legal requirement, which costs an additional \$35. A combined tag allows anglers to fish for salmon, steelhead, halibut and sturgeon in Oregon. The ODFW website has more information concerning Oregon chinook fishing. The website for Washington's Department of Fish and Wildlife (WDFW) is also helpful for getting oriented with the basics of fishing for chinook salmon. •

ODFW suggested locations:

- 1) Amacher County Park
- 2) Bunch Bar
- 3) Cleveland Rapids Park
- 4) Elkton Boat ramp
- 5) Colliding Rivers Boat Ramp
- 6) Hestness Park
- 7) Hutchinson State Park
- 8) Mac Brown Park
- 9) James Wood Boat Ramp
- 10) Narrows Wayside
- 11) Whistler's Bend Park
- 12) Osprey Boat Ramp
- 13) River Forks Park
- 14) Scotts Creek Boat Ramp
- 15) Singleton Park
- 16) Sawyers Rapids RV Park
- 17) Swiftwater Recreation Area
- 18) Tyee Recreation Area
- 19) Umpqua Landing Boat Ramp
- 20) Yellow Creek Boat Ramp

Snyder Hall misconceptions addressed



Hey guys,
I've seen the posts going around regarding the State Legislature's decision to not fund the increases in security, and I wanted to set the record straight. As the ASUCC Vice President, I've been to Salem twice in the past month to testify and lobby in support of this cause, so I can personally attest to what is really going on in a more accurate way than the Oregonian can.

The article by the Oregonian is incredibly misleading. The State Legislature did not fund \$6 million for Snyder, it funded \$4.25 million for Snyder and another \$1.8 million for increased security on UCC's campus. UCC got everything that it asked for in their security ask aside from approximately \$300,000 for a historian.

As for the other 16 Community Colleges, it was an entirely separate bill that asked for \$17.6 million for increased security at the other 16. I worked closely with Brent Finkbeiner—who is the President of Student Government at Clackamas Community College and was

referenced in the Oregonian article—on this task. We met with Governor Kate Brown's Public Safety Policy Advisor in mid-February to ask for the Governor's support of the bill. We each met with our individual representatives, and with the members of the Joint Ways and Means Committee that would be deliberating on the bill, and asked each and every one of them to fund the \$17.6 million for the other 16 Community Colleges. And we were told by all of them that it just wasn't possible this year. The State of Oregon runs on a biennium, which is a two-year cycle, and both bills—the UCC bill asking for over \$6 million, and the other bill asking for nearly \$18 million—came in the middle of the biennium, when there just isn't that much money to give away. To find \$17.6 million dollars in the middle of the two year cycle wasn't something that the legislators could do at this time. So despite our lobbying and testimonies, they did not fund that bill this year.

However, in my personal conversations with the members of the Ways and Means Committee, with

my representatives, and with members of the Governor's staff, I was assured that there is little more important than the continued safety of Oregon's Community College students, and that they would be likely to fund the \$17.6 million next year, at the beginning of the next biennium.

My point with this explanation is to attempt to reassure you all that our elected officials do have our best interests in mind, and that they do care about us and our safety. The Governor's Public Safety Policy Advisor told me that "not a day has gone by that the Governor has not thought about UCC". We are not forgotten. We are not marginalized. The only reason that the other 16 Community Colleges didn't get their funding was because there simply wasn't the money.

P.S.: Feel free to email me if you have additional questions about this topic, and I promise to answer them to the best of my ability. You can reach me at asuccvicepresidnet@umpqua.edu.

Joshua Friedlein

VIRTUAL REALITY

A new generation of gaming

CASEY CONEMAC
The Mainstream

Although virtual reality has been around since the 1950s, VR is just now getting a foothold. Facebook, which owns the rights to Oculus Rift, is trying to push virtual reality into the mainstream. Sony is also currently processing pre-orders on a VR system that will be ready to ship by October. Microsoft also just opened their VR HoloLens software to U.S. and Canada developers who join their Windows Insider program and agree to provide development feedback.

NASA is currently using their VR Microsoft HoloLens headset to map out Mars, and cellphone company HTC is partnering with Valve (the game development company behind the game *Half-Life*) to make their own

headset. What does this all mean?

Since virtual reality is a computer generated simulation of a three-dimensional image or environment that we can interact with in a seemingly real or physical way, we are now one step closer to experiencing real-life in a simulation.

Virtual Reality, however, isn't as new as it seems. During the 1990s a social media website called "Second Life" allowed users to walk through a virtual world where they could meet other people and take on a whole new identity for a few hours. This was way before Facebook got their following.

Games like "World of War Craft" and "Fallout" introduced virtual reality storytelling. Nintendo's Virtual Boy was an early adapter of virtual reality as a companion accessory that had stereoscopic 3D. It failed to meet the demands for the time; the Virtual

Boy created an eye strain making it hard to play games for long periods of time and wasn't advised for children under 8.

The gaming industry has pushed the boundaries of what is acceptable and has overcome many hurdles due to their processing power and the size of their market. The biggest problems we face with Virtual Reality come down to two factors: the cost of the headset and the technical requirements that ensure a smooth experience. Microsoft's HoloLens will cost about \$3,000 up front for the developer's version. PC World estimates that hardware sales will climb all the way to \$26 billion this year alone due to a great interest in virtual reality. If cost is a concern, Google Cardboard is a simplistic and affordable virtual reality experience for smart phones that costs only \$15.

The technical requirements to achieve virtual reality are huge. Chips must be able to render 90 frames per second. A gpu usually only puts out 60 frames per second. Are we there yet in terms of the technology? Some companies like AMD and NVidia have come up with solutions to meet the need for higher frame rates to get the picture clear enough where it doesn't jar the user's vision. NVidia's VRWorks technology increases frame rate and pushes the sense of realism by wrapping the image using multi-gpu rendering.

So whether you want to use Virtual Reality for gaming or to explore the constellations, the future of VR is looking promising. Microsoft's "HoloLens" will change how we look at gaming entirely, breaking the boundary to how we perceive reality itself.

Virtual reality isn't just made for gaming; it can be used for educational purposes. MissionV is a platform that provides Irish schools with the tools to build interactive environments. Social interaction through virtual reality will allow students to gain acceptance in a group. Google's Expedition program takes students through a virtual fieldtrip to the zoo or exploring the rugged landscapes of Mars in an affordable package.

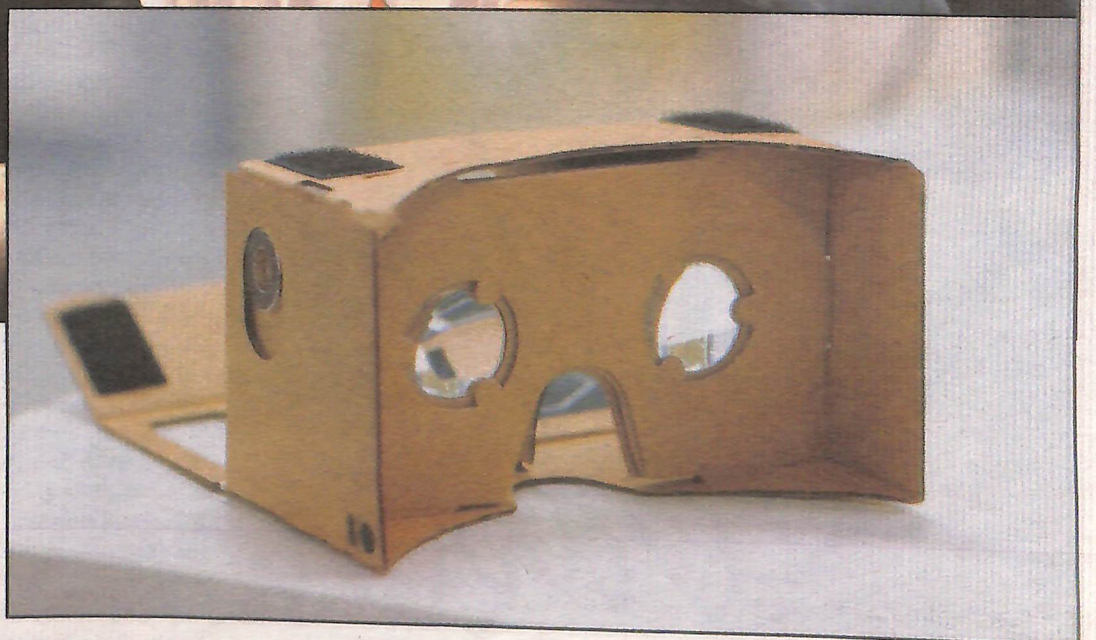
We are in the early stages of development; not until 2017 will we start seeing programs that will make an impact in our daily lives. Just like the start of the Internet, we have to wait and see. Virtual reality could open up a new digital resonance to how we perceive our world. •



Provided by BagoGames/ Flickr

Top: This girl is one of the first people able to experience Oculus Rift before its initial release. Oculus Rift is an immerse gaming experience that will cost about \$600 and will be ready to ship by August, 2016.

Right: Google Cardboard is made for the cheap and savvy consumer who wants to experience Virtual Reality without a high price tag. Cardboard costs \$15 and only requires a smartphone to use.



Provided by Othree/ Flickr